

## UNITED SI. S DEPARTMENT OF COMMERCE Patent and Trademark Office

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APPLICATION NUMBER FILING DATE ATTY, DOCKET NO. 08/779,044 01/06/97 THOMMES ITW-7188A EXAMINER IM41/0526 GEORGE R CORRIGAN CORRIGAN LAW OFFICE ART UNIT PAPER NUMBER 5 BRIARCLIFF CT APPLETON WI 54915 1742 DATE MAILED: 5/26/98 This is a communication from the examiner in charge of your application. COMMISSIONER OF PATENTS AND TRADEMARKS OFFICE ACTION SUMMARY Responsive to communication(s) filed or This action is FINAL. Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 D.C. 11; 453 O.G. 213. month(s), or thirty days, whichever is longer, from the mailing date of this communication. Failure to respond within the period for response will cause the application to become abandoned. (35 U.S.C. § 133). Extensions of time may be obtained under the provisions of 37 CFR 1.136(a). **Disposition of Claims** is/are pending in the application. Of the above, claim(s) is/are withdrawn from consideration. Claim(s) \_is/are allowed. Claim(s) \_is/are rejected. Claim(s) is/are objected to. Claim(s) are subject to restriction or election requirement. **Application Papers** See the attached Notice of Draftsperson's Patent Drawing Review, PTO-948. The drawing(s) filed on \_ \_\_\_\_is/are objected to by the Examiner. The proposed drawing correction, filed on is approved disapproved. The specification is objected to by the Examiner. The oath or declaration is objected to by the Examiner. Priority under 35 U.S.C. § 119 Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d). ☐ All ☐ Some\* ☐ None of the CERTIFIED copies of the priority documents have been received. received in Application No. (Series Code/Serial Number) received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

Notice of Informal Patent Application, PTO-152

--SEE OFFICE ACTION ON THE FOLLOWING PAGES--

Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e).

Information Disclosure Statement(s), PTO-1449, Paper No(s).

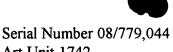
Notice of Draftperson's Patent Drawing Review, PTO-948

\*Certified copies not received:

■ Notice of Reference Cited, PTO-892

Interview Summary, PTO-413

Attachment(s)

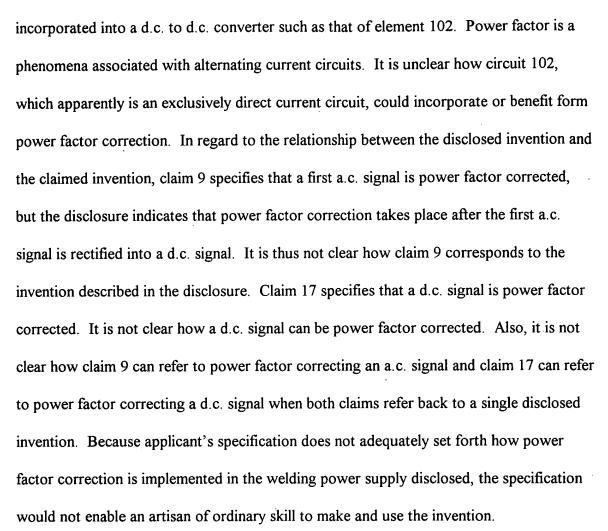


## **DETAILED ACTION**

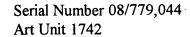
1.) The following is a quotation of the first paragraph of 35 U.S.C. § 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

The specification is objected to under 35 U.S.C. § 112, first paragraph, as failing to provide a description of the power factor correction aspect of applicant's invention so as to enable an artisan of ordinary skill to make and use the invention. All of the independent claims call for some form of power factor correction. Applicant points to page 11, line 32 of the specification for the disclosure of the power factor correction technique used in his invention. Examiner can find no other mention of power factor correction in the specification. In its entirety, the power factor correction disclosure on page 11 reads "A Unitrode power factor correction chip is used to implement boost circuit 102 in the preferred embodiment and requires average current flow as an input." This disclosure is inadequate for several reasons. First, it is not clear exactly what a "Unitrode power factor correction chip" is (if "Unitrode" is a trademark it should be so indicated). Second, it is not clear where in the circuit shown as element 102 in figure 3 a power factor correction chip would be placed. Circuit 102 is a dc to dc converter and it is not clear from the description of its operation as set forth in the specification how a power factor correction chip could be incorporated into the same. Alternatively, it is not clear how circuit 102 could be "implemented" by a power factor correction chip. Thirdly, and on a more fundamental level, it is not at all clear how "power factor" correction could be



- 2.) Claims 1-12 and 14-24 are rejected under 35 U.S.C. § 112, first paragraph, for the reasons set forth in the objection to the specification.
- 3.) Claims 1-8 are rejected under 35 U.S.C. § 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. In claim 1, line 14, there is no antecedent basis for "the third a.c. signal". In claim 1, line 18, there is no antecedent basis for "the inverter".



The other claims are inadequate under the second paragraph of 35USC112 in that they depend from an inadequate claim.

4.) Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL.** See MPEP section 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 C.F.R. § 1.136(a).

A SHORTENED STATUTORY PERIOD FOR RESPONSE TO THIS FINAL ACTION IS SET TO EXPIRE THREE MONTHS FROM THE DATE OF THIS ACTION. IN THE EVENT A FIRST RESPONSE IS FILED WITHIN TWO MONTHS OF THE MAILING DATE OF THIS FINAL ACTION AND THE ADVISORY ACTION IS NOT MAILED UNTIL AFTER THE END OF THE THREE-MONTH SHORTENED STATUTORY PERIOD, THEN THE SHORTENED STATUTORY PERIOD WILL EXPIRE ON THE DATE THE ADVISORY ACTION IS MAILED, AND ANY EXTENSION FEE PURSUANT TO 37 C.F.R. § 1.136(a) WILL BE CALCULATED FROM THE MAILING DATE OF THE ADVISORY ACTION. IN NO EVENT WILL THE STATUTORY PERIOD FOR RESPONSE EXPIRE LATER THAN SIX MONTHS FROM THE DATE OF THIS FINAL ACTION.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ex. Clifford C. Shaw whose telephone number is (703)-308-1712.

C. SHAW/ccs (703)-308-1712 5/21/98

Clifford C. Shaw Primary Examiner Art Unit 1742